# PATENT IBM Docket No. JP9-1999-0225

### Listing of Claims (indicating status and amendments):

1	16. (New) Communication apparatus for simplified installation of ceiling-located wireless access
2	for communication between computer terminals in a wireless computer network, this using
3	power-line-connected ceiling power sockets intended for predefined mating connection of a
4	ceiling lamp, said communication apparatus comprising:
5	a power connecting section configured for such mating connection to such a power
6	socket;
7	a communicating section, connected to the power connecting section, having a wireless
8	communication control for conducting wireless communication to and from wireless-adapted
9	computer terminals and having a power line communication control for exchanging signals over
0	such a power line with at least one other wireless communication apparatus connected thereto;
1	and
2	a lamp connecting section, opposite to the power connecting section, and adapted as a
3	power socket for mating connection of such a ceiling light.
4	whereby, networking between such terminals is achieved without specially dedicated sockets or
5	wiring.

- 1 17. (New) A communication apparatus according to claim 16, wherein said power supply
- 2 connecting section includes a plug equivalent to the connection portion of a ceiling lamp
- 3 intended for mating connection with the power socket.
- 1 18. (New) A communication apparatus according to claim 16, wherein said lamp connecting
- 2 section includes a socket portion equivalent to the ceiling power socket.

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J	19. (New) A communication apparatus according to claim 10, wherein said communicating
2	section includes:
3	a control unit section, connected between the power line communication control section
4	and the wireless communication control section, which coordinates transfers between the power
5	line communication control section and the wireless communication control section.
1	20. (New) The apparatus according to claim 16, further comprising a power supply section,
2	electrically connected to said power connecting section, which converts output power of the
3	power socket to a predetermined voltage to be supplied to energize said communicating means.
1	21. (New) The apparatus according to claim 16, further comprising:
2	a connecting switch placed between the power supply connecting section and the lamp
3	connecting section; and
4	a connecting switch control section for switching the connecting switch ON or OFF based
5	on predetermined signals received by the communicating section.

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#### 22. (New) A network system comprising:

a plurality of wireless computer terminals located in two or more rooms which have respective ceiling-lamp power sockets connected by a power line which are intended for predefined attachment to a ceiling lamp for mounting and energizing thereof; and

a plurality of communication apparata for conducting wireless communication to and from the wireless computer terminals, wherein each such wireless communication apparatus includes:

a power connecting section attached to a respective one of the power sockets, said power connecting section being configured for such predefined attachment thereto;

a communicating section, connected to the power connecting section, and having a power line control section for conducting communication to and from at least one other communication apparatus over the power line and having a wireless communication control for conducting wireless communication to and from such wireless computer terminals; and

a lamp connecting section opposite and electrically connected to the power connecting section, having a socket portion configured as such a ceiling lamp power socket.

23. (New) The system according to claim 22, wherein, at least one said communication apparatus has a ceiling lamp in such predefined attachment with its power socket.

Claim 8 (Canceled)

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1	24. (New) The system according to claim 22, wherein said communicating means of the wireless
2	communication apparatus includes:
3	a communication control, connected between the power line communication control
4	section and the wireless communication control section, which controls the transfer of data
5	between the power line communication control section and the wireless communication control
6	section.
1	25. (New) The system according to claim 22, wherein each wireless communication apparatus
2	includes the power supply section, connected to the power line, which converts the power to a
3	predetermined voltage that is supplied to the communicating section.
1	26. (New) The system according to claim 22, wherein each of said communicating section
2	further comprises:
3	a connecting switch placed between the power connecting section and the lamp
4	connecting section; and
5	a connecting switch control section for switching the connecting switch ON or OFF based
6	on predetermined signals received by the communicating section.
	Claim 1 (Canceled)
	Claim 2 (Canceled)
	Claim 3 (Canceled)
	Claim 4 (Canceled)
	Claim 5 (Canceled)
	Claim 6 (Canceled)
	Claim 7 (Canceled)

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Claim 9 (Canceled)

Claim 10 (Canceled)

Claim 11 (Canceled)

Claim 12 (Canceled)

Claim 13 (Canceled)

Claim 14 (Canceled)

Claim 15 (Canceled)